

28. (amended) A method according to claim 27 wherein:

if propagation of carbon skeletons is too abundant, turning off the supply of said mixture of methylacetylene, propadiene and propylene for a predetermined period of time.

29. (amended) A method according to claim 26, wherein:

said 100% mixture of methylacetylene, propadiene and propylene is mixed with air to produce a heat transfer system which will maintain at least 1800° K at all times.

30. (amended) A hydrocarbon fuel gas mixture especially suited for heating glass contacting surfaces and/or lubricating purposes, comprising:

a hydrocarbon fuel gas mixture which includes: approximately 90% by volume of a mixture of methylacetylene, propadiene and propylene; and approximately 10% by volume of propane.

REMARKS

Upon entry of the present amendment, the claims remaining in the application are 1-8, 13-19, 21, and 24-30.

Entry of the present amendment is respectfully requested because the present amendment: places the application in condition for allowance; narrows and decreases the number of issues for appeal, if necessary; and decreases the number of claims for appeal, if necessary.

It is respectfully submitted that the 35 USC 112 rejection has been overcome by reinstating the paragraph at page 3, lines 9-15, of the specification, and by eliminating the term "MAPP gas" from all of the claims.

With regard to the 35 USC 102 rejection of the previous claim 30, it is respectfully submitted that Seeman US 4,498,918 fails to teach or disclose the features set forth in the now-amended claim 30.

With regard to the 35 USC 103 rejection of the previous claims, applicant first wishes to confirm that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made.

With regard to the 35 USC 103 rejection of the previous claims 1-10 and 21-23 in view of Virey, it is respectfully submitted that the now-amended claims are not made obvious by Virey.

It is noted that it was the Examiner's position with respect to the previous claims that the broad recitation of MAPP gas reads on the disclosed hydrocarbon mixtures of Virey. In this connection, it is noted that the claims no longer recite MAPP gas.

Applicant is pleased to note that the Examiner concedes that: Virey does not teach mold heating per se; and that Virey does not teach mold heating prior to or during the production run.

With regard to the 35 USC 103 rejection based on Virey in view of Eagle et al US 5,888,266, it is respectfully submitted that the rejection is overcome by the now-amended claims.

In particular, it is noted that the Examiner concedes that: Virey does not teach changing the gas mixture while maintaining the flame to either inhibit or promote carbon skeleton formation; and that Virey does not disclose venturi mixers.

Furthermore, because the subject matter of Eagle et al and the invention claimed herein, were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person, Eagle does not preclude patentability under 35 USC 103. Attention is respectfully directed to 35 USC 103(c).

In light of the foregoing, applicant respectfully requests that the Examiner reconsider the rejections with a view toward withdrawing same.

Attached hereto are the amended portions of the application with brackets and underlining.

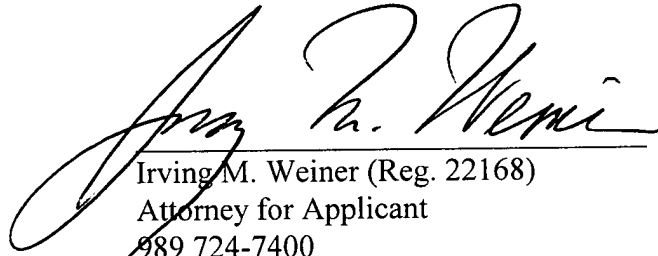
It is respectfully submitted that the application is now in condition for allowance, and a notice to this effect is earnestly solicited.

In the event that the Examiner does not believe that the application is in condition for allowance, then it is respectfully requested that the Examiner telephone the undersigned attorney for applicant in an effort to facilitate the prosecution and/or to narrow the issues for appeal, if necessary.

Favorable reconsideration respectfully requested.

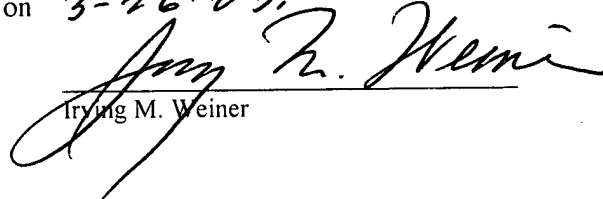
Respectfully submitted,

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Certificate of Mailing

I hereby certify that the foregoing amendment was mailed to Box AF Amendment, Commissioner for Patents, Washington, D.C. 20231 as first class mail on *3-26-03*.


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